

**Notice of Allowability**

Application No.

09/950,029

Examiner

Mark Connolly

Applicant(s)

LO ET AL.

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2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 10 September 2001.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☒ The drawings filed on 10 September 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 10 Sept. 01
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Dennis M. Butler*

**Dennis M. Butler**  
**Primary Examiner**

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**DETAILED ACTION**

1. Claims 1-23 have been presented for examination.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Roger Fulghum Reg. No. 39,678 on 2 September 2004.

The application has been amended as follows:

Please amend the specification as follows:

On page 2 line 14:

the effect of hard disk spin up time by issuing the spin-up command

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On page 11 line 17:

displays is that there must be maintained a minimum time off

Please amend the claims as follows:

Claim 14: Computer system according to claim [3] 11, wherein said at least one task provides start procedure for a Log-in client.

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Pursuant to MPEP 606.1, the title has been changed to read:

**-- A SYSTEM AND METHOD FOR EXECUTING RESUME TASKS DURING A  
SUSPEND ROUTINE --**

***REASONS FOR ALLOWANCE***

4. The following is an examiner's statement of reasons for allowance:

US Pat. No. 6732280 to Cheok et al teaches performing tasks before a system enters a sleep state in order to help the system during a resume process [Abstract].

US Pat. No. 6647472 Atkinson et al teaches a means for reducing the amount of time required for a system to enter a sleep mode [Abstract].

US Pat. No. 6557108 to Moore et al teaches minimizing the time required to enter a sleep mode by minimizing the code to be executed to enter the sleep mode [col. 2 line 55 – col. 3 line 2].

US Pat. No. 6434697 to Leyda et al teaches an abbreviated power on procedure [col. 4 lines 25-36].

US Pat. No. 5978913 to Broyles et al teaches an abbreviated power on procedure [col. 5 lines 25-30].

The prior art of record does not teach or suggest individually or in combination determining at least one task movable from a resume routine to a suspend routine and executing that at least one routine during the suspend routine.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Connolly whose telephone number is (703) 305-7849. The examiner can normally be reached on M-F 8AM-5PM (except every first Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C Lee can be reached on (703) 305-9717. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

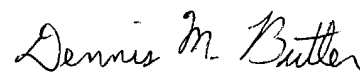
***PHONE NUMBERS WILL CHANGE COME OCTOBER 13th.***

***Mark Connolly (571) 272-3666***

***Thomas C Lee (571) 272-3667***

***Tech Center Main Number (571) 272-2100***

Mark Connolly  
Examiner  
Art Unit 2115

  
**Dennis M. Butler**  
**Primary Examiner**

mc  
September 2, 2004